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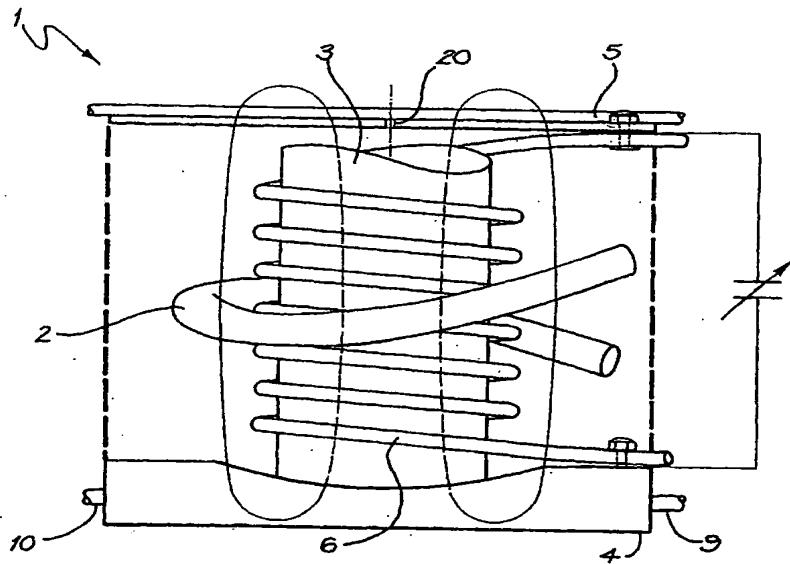
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(71) Applicant (for all designated States except US): FAIRFIELD ELECTRONICS PTY LTD [AU/AU]; 4 The Crescent, Fairfield, NSW 2165 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **TARNAWSKI, Mark, Gregory** [AU/AU]; 28 Bowen Mountain Road, Grose Vale, NSW 2753 (AU).

(54) Title: **METHOD AND APPARATUS FOR HEATING REFRAC-**



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(57) **Abstract:** A method of heating a refractory oxide material comprising applying a high frequency electric field to heat the refractory oxide material and applying a magnetic field to heat the refractory oxide material. The high frequency electric field substantially heating the refractory oxide material to a temperature range at which the refractory oxide material undergoes a transition in electrical resistivity from an insulator to a conductor. The magnetic field inductively heats the refractory oxide material during and/or after the transition.